	•		1 617 4620047	003904	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER A61K47/48				
According to	p International Patent Classification (IPC) or to both national classifi	ication and IPC			
B. FIELDS	SEARCHED				
Minimum do IPC 7	ocumentation searched (classification system followed by classification A61K	ation symbols)			
	tion searched other than minimum documentation to the extent that			hed	
	lata base consulted during the international search (name of data ternal, EMBASE, BIOSIS	oase and, where practica	II, search terms used)		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the r	elevant passages		Relevant to claim No.	
X	ENSS M -L ET AL: "Proinflammator cytokines trigger MUC gene expression release in the intestinal cell line LS180" INFLAMMATION RESEARCH, vol. 49, no. 4, April 2000 (2000 pages 162-169, XP008043079 ISSN: 1023-3830 the whole document	ession and cancer		1-29	
X Furt	ther documents are listed in the continuation of box C.	X Patent family	members are listed in a	nnex.	
'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search		or priority date an cited to understal invention 'X° document of partic cannot be considiated to volve an invention 'Y° document of partic cannot be considiated courrent is comments, such comin the art. '&' document membe	 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family Date of mailing of the international search report		
<u> </u>	May 2005	10/06/2			
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dullaa			

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category • Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
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ALAN BOOLINGHTE CONCIDENCE TO DE DEL CHANT	
ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
ABDULLA P ET AL: "GTP and Ca-2+ - dependent mucin secretion in permeabilized LS180 human colonic cancer cells: Modulation by anion substitution" FASEB JOURNAL, vol. 11, no. 3, 1997, page A516, XP008043069 & ANNUAL MEETING OF THE PROFESSIONAL RESEARCH SCIENTISTS ON EXPERIMENTAL BIOLOGY 97; NEW ORLEANS, LOUISIANA, USA; APRIL 6-9, 1997 ISSN: 0892-6638 abstract no. 2989 the whole document	1-29
DEBINSKI W ET AL: "A NOVEL CHIMERIC PROTEIN COMPOSED OF INTERLEUKIN-13 AND PSEUDOMONAS EXOTOXIN IS HIGHLY CYTOTOXIC TO HUMAN CARCINOMA CELLS EXPRESSING RECEPTORS FOR INTERLEUKIN-13 AND INTERLEUKIN-4" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 270, no. 28, 14 July 1995 (1995-07-14), pages 16775-16780, XP002011861 ISSN: 0021-9258 the whole document	1-13,28, 29
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	dependent mucin secretion in permeabilized LS180 human colonic cancer cells: Modulation by anion substitution" FASEB JOURNAL, vol. 11, no. 3, 1997, page A516, XPO08043069 & ANNUAL MEETING OF THE PROFESSIONAL RESEARCH SCIENTISTS ON EXPERIMENTAL BIOLOGY 97; NEW ORLEANS, LOUISIANA, USA; APRIL 6-9, 1997 ISSN: 0892-6638 abstract no. 2989 the whole document DEBINSKI W ET AL: "A NOVEL CHIMERIC PROTEIN COMPOSED OF INTERLEUKIN-13 AND PSEUDOMONAS EXOTOXIN IS HIGHLY CYTOTOXIC TO HUMAN CARCINOMA CELLS EXPRESSING RECEPTORS FOR INTERLEUKIN-13 AND INTERLEUKIN-4" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 270, no. 28, 14 July 1995 (1995-07-14), pages 16775-16780, XPO02011861 ISSN: 0021-9258 the whole document WO 98/07864 A (MICROBIOLOGICAL RESEARCH AUTHORITY CAMR (CENTRE FO; THE SPEYWOOD LABOR) 26 February 1998 (1998-02-26) examples WO 94/21300 A (THE SPEYWOOD LABORATORY LTD; PUBLIC HEALTH LABORATORY SERVICE BOARD; N) 29 September 1994 (1994-09-29) claim 14 EP 0 467 536 A (MERCK & CO. INC; MERCK & CO., INC) 22 January 1992 (1992-01-22) examples LI DAILIN ET AL: "Hyperosmolarity reduces GLUT4 endocytosis and increases its exocytosis from a VAMP2-independent pool in L6 muscle cells" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 25, 22 June 2001 (2001-06-22), pages 22883-22881, right-hand column

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tegory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: 1-13, 28 and 29 in part because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: 1-29
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest X The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 28-29 in part, and 1-13

Method of designing a non-cytotoxic toxin as defined by these claims

2. claims: 28-29 in part, and 14-27

Method of identifying an agonist as defined in these claims.

3. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is IL-13

4. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is insulin

5. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is mast cell degranulating peptide.

6. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is IL-4

7. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is TNF alpha

8. claims: 30-43 and 48-57 in part

Pharmaceutical composition and its use (in a method of treatment) as defined in these claims, in which the TM of the agent is EGF.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

9. claims: 44-45

DNA construct as defined in claim 44, and its use in the preparation of a chimeric agent as defined in claim 45 $\,$

10. claims: 46-47

Process of preparing a conjugate as defined in these claims, i.e., by conjugation rather than by expression of a sibgle DNA construct.

Continuation of Box II.2

Claims Nos.: 1-13, 28 and 29 in part

Claims 1-13, 28 and 29 encompass a genus of compounds defined only by their function wherein the relationship between the structural features of the members of the genus and said function have not been defined. In the absence of such a relationship either disclosed in the as-filed application or which would have been recognized based upon information readily available to one skilled in the art, the skilled artisan would not know how to make and use compounds that lack structural definition. The fact that one could have assayed a compound of interest using the claimed assays does not overcome this defect since one would have no knowledge beforehand as to whether or not any given compound (other than those that might be particularly disclosed in an application) would fall within the scope of what is claimed. It would require undue experimentation (be an undue burden) to randomly screen undefined compounds for the claimed activity. Therefore, the search for claims 1-13, 28 and 29 has been limited to the examples (Art. 5 and Art. 6 PCT), insofar as relating to the first invention.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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